

WHAT IS CLAIMED IS:

1. A system for automating data transactions between computer servers; said system comprising:

a first computer server maintaining a database having stored data recorded therein;

program code residing on said first computer server for creating extracted data by selectively extracting said stored data responsive to a request; and

additional program code residing on said first computer server for obtaining a blank form, and for parsing said blank form to identify which of said extracted data should be used to fill in at least a part of said blank form.

2. The system of claim 1 wherein said extracted data includes data for all fields in said blank form.

3. The system of claim 1 wherein said blank form is obtained from a second computer server.

4. The system of claim 1 wherein said blank form is filled in using a fuzzy fill procedure.

5. The system of claim 1 wherein said blank form is a login form.

6. The system of claim 1 wherein said additional program code includes instructions for creating a filled form using said extracted data to fill in said blank form.

- 5 7. The system of claim 6 wherein said additional program code further includes
6 instructions for submitting said filled form to a second computer server. .
- 7 8. The system of claim 1 further comprising:
8 an additional database maintained at said first computer server; said
9 additional database having stored form data recorded therein; said
10 stored form data relating to forms required by at least one other
11 computer server.
- 12 9. The system of claim 8 wherein said additional program code includes
13 instructions for comparing data fields in said blank form with said stored form
14 data recorded in said additional database.
- 1 10. The system of claim 8 wherein said stored form data includes parsed form
2 data from said at least one other computer server.
- 3 11. The system of claim 9 further comprising:
4 form filling program instructions residing on said first computer
5 server, using a result of said comparing data fields in said blank form
6 with said stored form data, for creating a filled form by filling in said
7 blank form using a fuzzy fill procedure.
- 8 12. The system of claim 11 further comprising:
9 form submitting program instructions residing on said first computer
10 server, using a result of said form filling program instructions, for
11 automatically submitting said filled form to a second computer server.

1 13. A method of automating data transactions between computer servers; said
2 method comprising:

3 maintaining a database having stored data recorded therein at a first
4 computer server;

5 selectively extracting said stored data responsive to a request;

6 obtaining a blank form; and

7 parsing said blank form to identify which of said stored data should be
8 used to fill in at least a part of said blank form.

1 14. The method of claim 13 wherein said selectively extracting includes
2 extracting data for all fields in said blank form.

3 15. The method of claim 13 wherein said obtaining a blank form includes
4 receiving form data from a second computer server.

5 16. The method of claim 13 wherein said obtaining a blank form includes
6 receiving login form data from a second computer server.

7 17. The method of claim 13 further comprising:

8 filling in said blank form using a fuzzy fill procedure.

9 18. The method of claim 17 further comprising:

10 automatically submitting the result of said filling to a second computer
11 server.

12 19. The method of claim 13 further comprising:

1 30. The method of claim 28 wherein said maintaining an additional database
2 includes parsing login form data from said at least one other computer server.